

DISTRIBUTIONAL RECORDS FOR SOME SPECIES
OF PLEOCOMA

(Coleoptera, Scarabaeidae)

E. GORTON LINSLEY

University of California, Berkeley

The distributional data reported below represent presumably significant extensions of the known ranges of several species of *Pleocoma*. Most of the records are from specimens represented in the collection of the California Insect Survey, University of California, Berkeley.

PLEOCOMA AUSTRALIS Fall

This species has been reported previously from the San Gabriel Mountains in Los Angeles and San Bernardino Counties, Calif. (Fall, 1911; Davis, 1935; Linsley, 1941), the San Jacinto Mountains, Riverside County (Linsley, 1941, 1945), and from Hot Springs Mountain, in northern San Diego County (Moore, 1937; Linsley, 1941). New records from the Laguna Mountains now extend the known range to southern San Diego County. These are as follows: Laguna Mountains, elevation 5400 ft., August 28, 1945, one male excavated from the ground at a depth of one ft. (W. H. Doetschman); and Laguna Mountains, 6.5 mi. N.E. of Laguna Junction, October 12, 1945, two males, one female, uncovered by road construction (W. H. Doetschman).

PLEOCOMA EDWARDSI Le Conte

This species has been recorded previously from Yuba and Nevada Counties. The following are new county records and northern extensions of the known range: De Sabla, Butte Co., Calif., November 9–11, 1954, 11 females and 67 males (D. Black and F. R. Platt); and 2 mi. W. of Forbestown, Butte County, November 11, 1954, 1 male (F. R. Platt). Mr. Platt is of the opinion that the larvae of this species normally feed on the roots of Douglas fir, *Pseudotsuga taxifolia* and that at the De Sabla locality they were also attacking the roots of apple trees in an abandoned orchard.

PLEOCOMA FIMBRIATA Le Conte

This species has been recorded previously from Nevada, Placer, and El Dorado Counties (Linsley, 1945). Northern extensions of the known range are: Kelley Ridge, 6 mi. E. of Oroville, Butte County, October 23–28, 1951, numerous males taken from an irrigation flume (F. R. Platt); foothills N.E. of Oroville, Butte

County, November 16, 1955, 7 males. (R. O. Schuster); and 1 mi. S. of Lake Wyandotte, Butte County, November 15, 1955, two males, one female (R. O. Schuster). Southern extensions: Sonora, Tuolumne County, elev. 1850 ft., October 10, 1945, one male, at light (E. G. Linsley, J. W. MacSwain, and Ray F. Smith); and Phoenix Lake, near Sonora, Tuolumne County, October 11, 1945, one male, trapped in ditch water (E. G. Linsley, J. W. MacSwain and Ray F. Smith).

Mr. Platt states that in Butte County this species occurs in the foothills at low elevations, *P. edwardsi* in forested areas at higher elevations.

PLEOCOMA HIRTICOLLIS VANDYKEI Linsley

A specimen submitted for study by A. T. McClay, provides a significant extension of the range of this subspecies. The example, a male, was captured along Cache Creek, near Rumsey, in northern Yolo County, California, on November 27, 1955, by E. A. Kurtz. This form has been recorded previously from Sonoma County (without definite locality) and the Oakland Hills, Alameda County (Linsley, 1938); Eldridge, Sonoma County (Linsley, 1941); Patterson Pass, in eastern Alameda County (Linsley, 1945; Smith and Potts, 1945; Ritcher, 1947); and Lafayette, Contra Costa County (Linsley, 1945).

P. hirticollis vandykei appears to be limited to the central Coast Ranges, the nominate subspecies to the Sierra Nevada foothills (Yuba and Nevada Counties). Smith and Potts (1945) have recorded the association of *vandykei* with open, hilly grassland.

PLEOCOMA HOPPINGI Fall

Through the kindness of W. W. Middlekauff I have examined fragments of males of this species taken from three coyote stomachs collected March 10, 1955, at Dry Meadow, Kern County, California (NE $\frac{1}{4}$ corner, Sec. 22, T 22S, R 32 E), by Howard R. Leach, Assistant Game Biologist, Food Habits Laboratory, California Department of Fish and Game. When the stomach contents were measured by water displacement, one animal (coll. No. 10,561) contained 22.8 cc of *Pleocoma* fragments, another (No. 10,564), 25.0 cc., and the third (No. 10,565) a trace. *P. hoppingi* has been recorded previously from feces, presumed to be those of coyotes, found in the vicinity of Miami Ranger Station, Mariposa County, California (Linsley, 1942:165, plate 30).

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